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	Application Number		10567594	
INFORMATION BIOOLOGUEE	Filing Date		2006-12-12	
INFORMATION DISCLOSURE	First Named Inventor Elisab		abeth ARKENAU-MARIC, et al	
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit		TBA	
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	Attorney Docket Number	er	107101-47 WCG	

	U.S.PATENTS								
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear			
	1	3806603		1974-04-23	Gaunt et al.				
	2	4744976		1988-05-17	Snipes et al				
	3	4764378		1988-08-16	Keith et al				
	4	4774074		1988-09-27	Snipes				
	5	4806337		1989-02-21	Snipes et al				
	6	5004601		1991-04-02	Snipes				
	7	7141250		2006-11-28	Oshlack et al				
	8	RE33093		1989-10-17	Schiraldi et al				

Application Number		10567594	
Filing Date		2006-12-12	
First Named Inventor	Elisal	beth ARKENAU-MARIC, et al	
Art Unit		ТВА	
Examiner Name	ТВА		
Attorney Docket Number		107101-47 WCG	

9	4629621	1986-12-16	Snipes	
10	4713243	1987-12-15	Schiraldi et al	
11	4892778	1990-01-09	Theeuwes et al	
12	5200197	1993-04-06	Wright et al.	
13	6096339	2000-08-01	Ayer et al	
14	6340475	2002-01-22	Shell et al	
15	6488962	2002-12-03	Berner et al	
16	6534089	2003-03-18	Ayer et al	
17	6635280	2003-10-21	Shell et al	
18	6723340	2004-04-20	Gusler et al	
19	4404183	1983-09-13	Kawata et al	

Application Number		10567594		
Filing Date		2006-12-12		
First Named Inventor	Elisal	beth ARKENAU-MARIC, et al		
Art Unit		ТВА		
Examiner Name	ТВА			
Attorney Docket Number		107101-47 WCG		

20	6436441		2002-08-20	Sako et al	
21	5273758		1993-12-28	Royce	
22	5945125		1999-08-31	Kim	
23	6117453	JI.	2000-09-12	Seth et al	
24	4070494		1978-01-24	Hoffmeister et al.	
25	4612008		1986-09-16	Wong et al.	
26	4765989		1988-08-23	Wong et al.	
27	4783337	J	1988-11-08	Wong et al.	
28	6248737		2001-06-19	Buschmann et al.	
29	5801201		1998-09-01	Graudums et al.	
30	3980766		1976-09-14	Shaw et al.	

Application Number		10567594
Filing Date		2006-12-12
First Named Inventor	Elisat	peth ARKENAU-MARIC, et al
Art Unit		ТВА
Examiner Name	ТВА	
Attorney Docket Numb	er	107101-47 WCG

	31	3966747		1976-06-29	Monkovic et al.	
If you wisl	n to a	l dd additional U.S. Pate			l please click the Add button.	
		The second secon	U.S.P	ATENT APPL	ICATION PUBLICATIONS	
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20020051820		2002-05-02	Shell et al.	
	2	20030091630		2003-05-15	Louie-Helm et al.	
	3	20030104052		2003-06-05	Berner et al.	
	4	20030133985		2003-07-17	Louie-Helm et al.	
	5	20030152622		2003-08-14	Louie-Helm et al.	
	6	20040010000		2004-01-15	Ayer et al.	
	7	20040156899		2004-08-12	Louie-Helm et al.	
	8	20040185105		2004-09-23	Berner et al.	

Application Number		10567594		
Filing Date		2006-12-12		
First Named Inventor	Elisal	beth ARKENAU-MARIC, et al		
Art Unit		ТВА		
Examiner Name	ТВА			
Attorney Docket Number		107101-47 WCG		

9	20040213848		2004-10-28	Li et al.	
10	20050106249		2005-05-19	Hwang et al.	
11	20050112067		2005-05-26	Kumar et al.	
12	20050266084	10	2005-12-01	Li et al.	
13	20060240110		2006-10-26	Kiick et al.	
14	20070020335		2007-01-25	Chen et al.	
15	20070092573		2007-04-26	Joshi et al.	
16	20070196396		2007-08-23	Pilgaonkar et al.	
17	20050031546		2005-02-10	Bartholomaus et al.	
18	20060193914		2006-08-31	Ashworth et al.	
19	20070048228	A1	2007-03-01	ARKEN AU-MARIC ET AL.	

Application Number		10567594		
Filing Date		2006-12-12		
First Named Inventor	Elisat	beth ARKENAU-MARIC, et al		
Art Unit		ТВА	- 1	
Examiner Name	ТВА			
Attorney Docket Number		107101-47 WCG		

If you wis	h to a	dd additional U.S. Pub	lished Applicat	tion citation	n information	please click the Add butt	on.	
			FOR	EIGN PAT	ENT DOCUM	MENTS		
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² i	Kind Code4	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	Т5
	1	0 008 131	EP		1980-02-20	Union Carbide Corporation		
	2	0 216 453	EP		1987-04-01	Fidia S.P.A.		
	3	0 226 061	EP		1987-06-24	Allied-Signal Inc.		
	4	0 228 417	EP		1987-07-15	ICI Australia Limited		
	5	0 277 289	EP		1988-08-10	Biopure Corporation		
	6	0 293 066	EP		1988-11-30	Alza Corporation		
	7	0 328 775	EP		1989-08-23	Carrington Laboratories Inc.		
	8	0 583 726	EP		1994-02-23	Kali-Chemie Pharma GmbH		
	9	0 661 045	EP		1995-07-05	Yamanouchi Pharmaceutical Co. Ltd.		

Application Number		10567594	
Filing Date		2006-12-12	
First Named Inventor Elisab		beth ARKENAU-MARIC, et al	
Art Unit		ТВА	
Examiner Name TBA		,	
Attorney Docket Number		107101-47 WCG	

10	0 696 598	EP	1996-02-14	Fidia Farmaceutici S.p.A.	
11	1 859 789	EP	2007-11-28	Gruenenthal GmbH	
12	0 232 877	EP	1987-08-19	Zetachron, Inc.	
13	0 598 606	EP	1994-05-25	Johnson & Johnson Consumer Products, Inc.	
14	94 06414	wo	1994-03-31	Yamanouchi Pharmaceutical Co. Ltd/	
15	95 30422	wo	1995-11-16	Pfizer Inc.	
16	96 00066	wo	1996-01-04	Alza Corporation	
17	03 105808	wo	2003-12-24	Gruenenthal GmbH	
18	2005 041968	wo	2005-05-12	Alza Corporation	
19	2006 002883	wo	2006-01-12	Gruenenthal GmbH	
20	2006 002884	wo	2006-01-12	Gruenenthal GmbH	
 	1	1	1 1	1	

Application Number		10567594	
Filing Date		2006-12-12	
First Named Inventor Elisab		beth ARKENAU-MARIC, et al	X
Art Unit		ТВА	
Examiner Name TBA			
Attorney Docket Number		107101-47 WCG	

21	2006 082097	wo		2006-08-10	Gruenenthal GmbH	
22	2006 082099	wo	dir	2006-08-10	Gruenenthal GmbH	
23	2007 008752	wo		2007-01-18	Farnan Companies, Inc	
24	2007 048233	wo		2007-05-03	Orbus Pharma Inc.	
25	2007 053698	wo		2007-05-10	Alza Corporation	
26	02 26928	wo		2002-04-04	The Dow Chemical Company	
27	90 03776	wo		1990-04-19	Zetachron, Inc.	
28	93 11749	wo		1993-06-24	Warner-Lambert Company	
29	03 035029	wo		2003-05-01	Depomed, Inc.	
30	2005 016314	wo	14,711	2005-02-24	Gruenenthal GmbH	
31	2005 063214	wo		2005-07-14	Gruenenthal GmbH	

Application Number		10567594		
Filing Date		2006-12-12		
First Named Inventor Elisab		peth ARKENAU-MARIC, et al	X	
Art Unit		ТВА		
Examiner Name TBA		,		
Attorney Docket Number		107101-47 WCG		

41	2000 033835	wo	A1	2000-06-15	SANOFI-SYNTHELABO	
40	1995 20947	wo	A1	1995-08-10	RHONE-POULENC RORER LIMITED	
39	2003 015531	wo	A2	2003-02-27	GRUBER	
38	199932120	wo		1999-07-01	Euro-Celtique, S.A.	
37	2530563	DE		1977-01-27	Bayer AG	
36	2003 01476	wo	A1	2003-01-03	Leapfrog Enterprises, Inc.	
35	2004 026263	wo	A2	2004-04-01	FMC Corporation	
34	2502965	CA	A1	2004-05-06	Grünenthal GmbH	
33	10336400	DE	A1	2005-03-24	Grünenthal GmbH	
32	2005 102286	wo		2005-11-03	Gruenenthal GmbH	

Application Number		10567594
Filing Date		2006-12-12
First Named Inventor Elisab		peth ARKENAU-MARIC, et al
Art Unit		ТВА
Examiner Name TBA		
Attorney Docket Number		107101-47 WCG

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
	1	V.K. THOMA et al., "Bestimmung der In-vitro-Freigabe von schwach basischen Wirkstoffen aus Retardarzneiformen," Pharm. Ind. 51, Nr. 3 (1989)	
	2	F. E. BAILEY et al., "Some Properties of Poly(ethylene oxide)' in Aqueous Solution," Journal of Applied Polymer Science, Vol. 1, Issue No. 1, pages 56-62 (1959)	
	3	A. APICELLA et al., "Poly(ethylene oxide) (PEO) and different molecular weight PEO blends monolithic devices for drug release," Biomaterials 1993, Vol. 14, No. 2, pp. 83-90	
	4	S. JANICKI et al., "Slow-Release Microballs: Method of Preparation," Acta Pharm. Technol. 33(3) 154-155 (1987)	
	5	R. MANK et al., "Darstellung wirkstoffhaltiger Extrusionsformlinge auf der Basis von Thermoplasten," Pharmazie 45 (1990), H. 8; pp. 592-593	
	6	R. MANK et al., "Darstellung wirkstoffhaltiger Extrusionsformlinge auf der Basis von Thermoplasten," Pharmazie 44 (1989) H. 11; pp. 773-776	
	7	P. SHIVANAND et al., "Factors Affecting Release of KCI from Melt Extruded Polyethylene Disks," Pharmaceutical Research, Official Journal of the American Association of Pharmaceutical Scientists; October 1991, Vol. 8, No. 10	
	Ą	Inert Gas from Wikipedia (December 2009)	
	9	Dow Excipients Chemistry of Polyox Water Soluble-Resins	
	10	M.M. CROWLEY et al., "Stability of polyethylene oxide in matrix tablets prepared by hot-melt extrusion," Biomaterials 23 (2002) 4241-4248	

Application Number		10567594	
Filing Date		2006-12-12	
First Named Inventor	Elisat	peth ARKENAU-MARIC, et al	
Art Unit		ТВА	10
Examiner Name TBA			
Attorney Docket Number		107101-47 WCG	

11	M. EFENTAKIS et al., "Evaluation of High Molecular Weight Poly(Oxyethylene) (Polyox) Polymer: Studies of Flow Properties and Release Rates of Furosemide and Captopril from Controlled-Release Hard Gelatin Capsules," Pharmaceutical Development and Technology, 5(3), 339-346 (2000)	
12	N. FOLLONIER et al., "Various ways of modulating the release of diltiazem hydrochloride from hot-melt extruded sustained release pellets prepared using polymeric materials," Journal of Controlled Release 36 (1995) 243-250	
13	N.B. GRAHAM, "Poly(Ethylene Glycol) Gels and Drug Delivery," Poly(Ethylene Glycol) Chemistry: Biotechnical and Biomedical Applications, Chapter 17, 1992	
14	C. D. HANNING et al., "The Morphine Hydrogel Suppository," British Journal of Anaesthesia, 1988, 61, 221-227	
15	KIM et al., "Preparation and Evaluation of Eudragit Gels V. Rectal Gel Preparations for Sustained Release and Avoidance of First-Pass Metabolism of Lidocaine," Chem. Pharm. Bull. 40(10) 2800-2804 (1992)	
16	CHERNG-JU KIM, "Drug Release from Compressed Hydrophilic POLYOX-WSR Tablets," Journal of Pharmaceutical Sciences, Vol. 84, No. 3, March 1995	
17	S.L. MADORSKY et al., "Thermal Degradation of Polyethylene Oxide and Polypropylene Oxide," Journal of Polymer Science, Vol. XXXVI, pages 183-194 (1959)	
18	A. MORONI et al., "Application of Poly(Oxyethylene) Homopolymers in Sustained Release Solid Formulations," Drug Development and Industrial Pharmacy, 21(12), 1411-1428 (1995)	
19	N. OHNISHI et al., "Effect of the Molecular Weight of Polyethylene Glycol on the Bioavailability of Indomethacin Sustained-Release Suppositories Prepared with Solid Dispersions," Chem. Pharm. Bull., 35 (8) 3511-3515 (1987)	
20	T. OZEKI et al., "Control of medicine release from solid dispersion composed of the poly(ethylene oxide)-carboxyvinylpolymer interpolymer complex by varying molecular weight of poly(ethylene oxide)," Journal of Controlled Release 58 (1999) 87-95	
21	Pharmaceutical Research, Official Journal of the American Association of Pharmaceutical Scientists, September 1989 (Supplement), Vol. 6, No. 9, 6.S-98	
	12 13 14 15 16 17 18	Properties and Release Rates of Furosemide and Captopril from Controlled-Release Hard Gelatin Capsules," Pharmaceutical Development and Technology, 5(3), 339-346 (2000) N. FOLLONIER et al., "Various ways of modulating the release of dilitiazem hydrochloride from hot-melt extruded sustained release pellets prepared using polymeric materials," Journal of Controlled Release 36 (1995) 243-250 N. B. GRAHAM, "Poly(Ethylene Glycol) Gels and Drug Delivery," Poly(Ethylene Glycol) Chemistry: Biotechnical and Biomedical Applications, Chapter 17, 1992 C. D. HANNING et al., "The Morphine Hydrogel Suppository," British Journal of Anaesthesia, 1988, 61, 221-227 KIM et al., "Preparation and Evaluation of Eudragit Gels V. Rectal Gel Preparations for Sustained Release and Avoidance of First-Pass Metabolism of Lidocaine," Chem. Pharm. Bull. 40(10) 2800-2804 (1992) CHERNG-JU KIM, "Drug Release from Compressed Hydrophilic POLYOX-WSR Tablets," Journal of Pharmaceutical Sciences, Vol. 84, No. 3, March 1995 CHERNG-JU KIM, "Drug Release from Compressed Hydrophilic POLYOX-WSR Tablets," Journal of Pharmaceutical Sciences, Vol. 84, No. 3, March 1995 3. L. MADORSKY et al., "Thermal Degradation of Polyethylene Oxide and Polypropylene Oxide," Journal of Polymer Science, Vol. XXXVI, pages 183-194 (1959) A. MORONI et al., "Application of Poly(Oxyethylene) Homopolymers in Sustained Release Solid Formulations," Drug Development and Industrial Pharmacy, 21(12), 1411-1428 (1995) N. OHNISHI et al., "Effect of the Molecular Weight of Polyethylene Glycol on the Bioavailability of Indomethacin Sustained-Release Suppositories Prepared with Solid Dispersions," Chem. Pharm. Bull., 35 (8) 3511-3515 (1987) T. OZEKI et al., "Control of medicine release from solid dispersion composed of the poly(ethylene oxide)-carboxyrinylpolymer interpolymer complex by varying molecular weight of poly(ethylene oxide)." Journal of Controlled Release 58 (1999) 87-95

Application Number		10567594
Filing Date		2006-12-12
First Named Inventor	Elisal	peth ARKENAU-MARIC, et al
Art Unit		ТВА
Examiner Name	ТВА	
Attorney Docket Number		107101-47 WCG

22	Pharmaceutical Research, Official Journal of the American Association of Pharmaceutical Scientists, October 1991 (Supplement), Vo. 8, No. 10, 8.S-192	
23	W. PRAPAITRAKUL et al., "Release of Chlorpheniramine Maleate from Fatty Acid Ester Matrix Disks Prepared by Melt-extrusion," J. Pharm. Pharmacol. 1991, 43: 377-381	
24	S. RADKO et al., "Molecular sieving by polymer solutions: dependence on particle and polymer size, independence of polymer entanglement," Applied and Theoretical Electrophoresis (1995), 5, 79-88	
25	J. SCHEIRS et al., "Characterizing the solid-state thermal oxidation of poly(ethylene oxide) powder," Polymer, 1991, Volume 32, Number 11	
26	O.L. SPROCKEL et al., "Permeability of Cellolose Polymers: Water Vapour Transmission Rates," J. Pharm. Pharmacol. 1990, 42: 152-157	
27	J.L. STRINGER et al., "Diffusion of small molecular weight drugs in radiation-crosslinked poly(ethylene oxide) hydrogels," Journal of Controlled Release 42 (1996) 195-202	
28	E. G. RIPPIE et al., "Regulation of Dissolution Rate by Pellet Geometry," Journal of Pharmaceutical Sciences, Vo. 58, No. 4, April 1969, pp. 428-431	
29	M. ADEL EL-EGAKEY et al., "Hot extruded dosage forms Part I," Pharmaceutica Acta Helvetiae, Vol. 46, March 19, 1970	
30	Remington's Pharmaceutical Sciences 17th ed., Mack Publishing Co., (1985) 1418	
31	M.S. MESIHA et al., "A Screening Study of Lubricants in Wet Powder Masses Suitable for Extrusion Spheronization," Drug Development and Industrial Pharmacy, 19(8), 943-959 (1993)	
32	N. FOLLONIER et al., "Evaluation of Hot-Melt Extrusion as a New Technique for the Production of Polymer-Based Pellets for Sustained Release Capsules Containing High Loadings of Freely Soluble Drugs," Drug Development and Industrial Pharmacy, 20(8), 1323-1339 (1994)	

Application Number		10567594	
Filing Date		2006-12-12	
First Named Inventor	Elisabeth ARKENAU-MARIC, et al		
Art Unit		тва	
Examiner Name	TBA		
Attorney Docket Number		107101-47 WCG	

33	Remi	Remington's Pharmaceutical Sciences, Authur Asol editor, pages 1553-1593, Chapter 89, 1980.					
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Examiner Signa	iture		Date Considered				
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